SN <u>10/790,638</u> Docket No. <u>S-100,565</u> In Response to Office Action dated <u>March 8, 2007</u>

RECEIVED CENTRAL FAX CENTER

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AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:	
(currently amended) An apparatus comprising:	
a light source;	
———an objective;	
a first detector means for detecting light of a first defined wavelength	
range;	
a second-detector means for detecting light of a second-defined	
wavelength range;	
a first filter means for filtering light of a third defined wavelength range;	
a-second-filter means for filtering light of a fourth defined wavelength	
range;	
a support having a pinhole therein through which collected light from said	ļ
objective is preferentially passed to said first detector means and said second-detector	
means as opposed to out of focus scattered light; and	
a transparent substrate for support of a sample under investigation, and	
sample comprising membrane vesicles including a trifunctional linker molecule includin	g
a fluorophore-;	_
a light source for providing an excitation light beam to excite the sample;	
a first filter means for reflecting the excitation light beam from the light	
source to an objective and for filtering light received from the sample;	
an objective for collecting the reflected excitation beam from said first filte	<u>:r</u>
means and sending it through the transparent substrate to the sample;	
a support having a pinhole therethrough for directing light filtered by said	
first filter means to a second filter means:	
a second filter means for reflecting a portion of the light received from the	<u> </u>
pinhole to a first detector means, and for filtering the remainder of the light received	

through the pinhole;

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a first detector means for detecting light reflected from said second filter

means; and

a second detector means for detecting light filtered by said second filter means.

- 2. (original) The apparatus of claim 1 wherein said objective is a converging lens.
- 3. (original) The apparatus of claim 1 wherein said first filter means and said second filter means are dichroic mirrors.
- 4. (original) The apparatus of claim 1 wherein said first filter means is a longpass optical filter reflecting excitation wavelengths and passing fluorescence emission wavelengths and said second filter means spectrally resolves said fluorescence emission wavelengths.
- 5. (original) The apparatus of claim 3 wherein said first dichroic mirror reflects wavelengths below 500 nm and passes wavelengths above 500 nm and said second dichroic mirror reflects wavelengths below 550 nm and passes wavelengths above 550 nm.
- 6. (original) The apparatus of claim 1 wherein said transparent substrate is of glass.
- 7. (original) The apparatus of claim 1 wherein said apparatus is characterized as having a single detection channel.
 - 8-15. (cancelled)